

PROJECT DESCRIPTION

I. General

This project involves the modification to a existing intersection traffic control signal with Fire Station Hazard Identifization Beacon at the intersection of MD 355 at MD 109 in Montgomery County, Maryland. MD 355 is assumed to run in an north – south direction.

II. Intersection Operation

There are no changes to the existing intersection operation.

III. Special Notes

1. The following contact persons for District 3 are as follows:

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| Mr. Charles Watkins District Engineer Phone # (301) 513-7311 | Mr. Maj Shakib Asst. District Eng.-traffic Phone # (301) 513-7359 |
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| Mr. Carter Wilson Asst. District Engineer Phone # (301) 513-7305 | Mr. Francis Lauer Asst. District Eng.- utilities Phone # (301) 513-7351 |
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Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone # (410) 787-7630

EQUIPMENT LIST

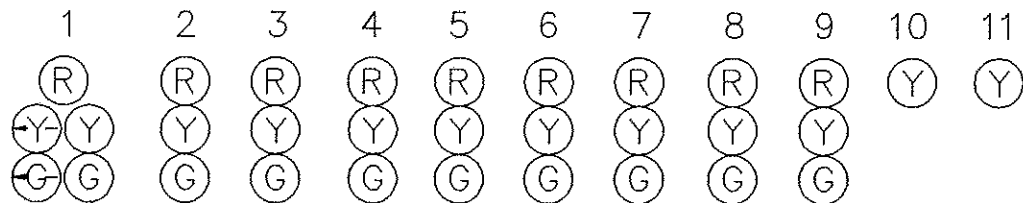
A. Equipment to be supplied by the SHA and installed by the contractor

| ITEM NO. | QUANTITY | UNIT | SPECIFICATION SECTION | DESCRIPTION |
|----------|----------|------|-----------------------|---|
| 9001 | 2 | EA | 811 | 12" One-way, one section signal head – pole mount. |
| 9002 | 20 | SF | 813 | Sheet Aluminum Sign Consisting of: Special Sign (48" x 48") "FIRE TRUCK EXIT" |

EQUIPMENT LIST

B. Equipment to be furnished and/or installed by the Contractor.

| ITEM NO. | QUANTITY | UNIT | SPECIFICATION SECTION | DESCRIPTION |
|-----------------|--------------|---------------|-----------------------|---|
| 1001 | 1 | EA | 104 | Maintenance of traffic speeds greater to or equal to 40 mph. |
| 2001 | 1 | CY | 205 | Test pit excavation |
| 8001 | 1 | CY | 801 | Concrete for signal foundation. |
| 8003 | 1 | EA | SPI | Breakaway pedestal pole. (14 ft.) |
| 8025 | 85 | LF | 805 | 2 in. electrical conduit – PVC schedule 40 –buried (trenched) |
| 8035 | 1 | EA | 811 | Handhole. |
| 8037 | 1 | EA | 804 | Ground rod – 3/4 in. x 10 ft. |
| 8045 | 170 | LF | 810 | Electrical cable – 2 conductor (No. 14 AWG). – IMSA 19-1 |
| 8047 | 85 | LF | 810 | Electrical cable – 5 conductor (No. 14 AWG). – IMSA 19-1 |
| 8056 | 20 | SF | 813 | Install ground mounted sign |
| 8058 | 1 | EA | 821 | Install breakway base support system for signal structure. |
| 8067 | 1 | EA | SPI | Use existing disk and as-built traffic control device. |
| NEG | 1 | EA | 803 | Furinsh and InstallFiber-Optic sign (48" x 24") "YIELD" |



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|--------------------|-------|------|------|------|------|------|------|------|------|------|------|--|
| PHASE 1&6 | -G-/G | G | R | R | R | R | R | R | R | DARK | DARK | |
| 1&6 CHANGE | -Y-/G | G | R | R | R | R | R | R | R | DARK | DARK | |
| PHASE 2&6 | G | G | G | G | R | R | R | R | R | DARK | DARK | |
| 2&6 CHANGE | Y | Y | Y | Y | R | R | R | R | R | DARK | DARK | |
| PHASE 4&8 | R | R | R | R | G | G | G | G | G | DARK | DARK | |
| 4&8 CHANGE | R | R | R | R | Y | Y | Y | Y | Y | DARK | DARK | |
| PRE-EMPT | -G-/G | G | R | R | R | R | R | R | R | FL/Y | FL/Y | |
| PRE-EMPT CHANGE | -Y-/G | G | R | R | R | R | R | R | R | DARK | DARK | |
| FLASHING OPERATION | FL/Y | FL/Y | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | DARK | DARK | |

NOTE:
R = RED INDICATION
Y = YELLOW INDICATION
G = GREEN INDICATION
-Y- = YELLOW ARROW INDICATION
-G- = GREEN ARROW INDICATION
FL = FLAHSING INDICATION

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| REVISIONS | APPROVALS | MARYLAND DOT – STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION | |
| | ASST.DIV.CHIEF SIGNAL DESIGN SECTION | DRAWN BY: BRUCE THOMPSON | MD 355 and MD 109 GENERAL INFORMATION SHEET LOGMILE: 15010911.91 COUNTY: MONTGOMERY |
| | ASST. DISTRICT ENGINEER, TRAFFIC | DES. BY: | |
| | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION | CHK. BY: | |
| ADD L.E.D. SIGN SHA NO.: 23855T25063009 UWA | DIRECTOR, OFFICE OF TRAFFIC & SAFETY | DATE: 10-4-93 SCALE: 1"=20' | F.A.P. NO. CMG-STPG-0005(133) S.H.A. NO. AW-453-501-385 TS/STD. NO. 3379 GI SHEET NO. OF |